

## FOS II Reactivity Extra Credit

Name \_\_\_\_\_ Blk \_\_\_\_\_

### General Formula for Single Replacement Rxn:

Metal A + Metal B, Non-Metal -----> Metal B + Metal A, Non-Metal

### Reactivity Series Order

Most Reactive

Least Reactive

Li   K   Ca   Na   Mg   Al   Zn   Fe   Sn   Pb   H   Cu   Hg   Ag   Au

Complete and balance these equations for these single-replacement reactions that take place in water solution. Balance each equation. If a reaction does not occur (use the activity series), write "No reaction"

1. mercury + potassium iodide
2. iron (II) + copper (II) nitrate
3. copper (III) + Aluminum Phosphate
4. magnesium + zinc (II) phosphite
5. sodium bromide + calcium
6. gold + potassium chlorate
7. zinc (II) + lead (III) acetate
8. sodium iodide + lithium